

Catalog No.: RP01562 **Recombinant**

Species	Gene ID	Swiss Prot
Human	4747	P07196

No tag

NEFL;CMT1F;CMT2E;NF-
L;NF68;NFL;PPP1R110

Source <i>E. coli</i>	Purification ≥ 95 % as determined by SDS- PAGE
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Calculated MW	Observed MW
21.91 kDa	28 kDa

< 0.1 EU/μg of the protein by LAL method.

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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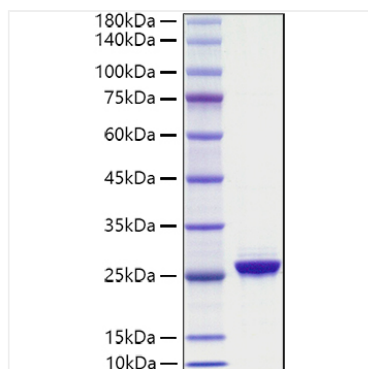
Neurofilaments usually contain three intermediate filament proteins: NEFL, NEFM, and NEFH which are involved in the maintenance of neuronal caliber. May additionally cooperate with the neuronal intermediate filament proteins PRPH and INA to form neuronal filamentous networks (By similarity).

Recombinant Human NF-L/NEFL Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Ser60-Thr250) of human NF-L/NEFL (Accession #NP_006149.2) fused with no additional amino acid.

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.
Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Human NF-L/NEFL Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.